

IN THE SPECIFICATION

Page 1, before the first line, add the paragraph:

This is a continuation application of U.S. Serial No. 09/485,115, filed February 4, 2000. This application is a 371 of PCT/JP99/01560 03/26/1999.

IN THE ABSTRACT

Please rewrite the Abstract as follows:

An object of the present invention is to provide a method of operating a nuclear reactor, which is capable of effectively suppressing the initiation and growth of ~~SCC~~ stress corrosion cracking of reactor structural members of a BWR boiling water reactor without increasing the dose rate of a main steam system and thereby reducing radioactivity of reactor water. This is accomplished by carrying out, at a suitable period, a control for injecting hydrogen in the reactor water while adjusting the pH of the reactor water on the alkali side. According to a first one feature of the present invention, the pH at room temperature of reactor water is controlled in a range of $8.5 < \text{pH} \leq 9$ at the beginning stage of start-up operation of one operating cycle, and then controlled in a range of $7 < \text{pH} \leq 8.5$ until shutdown operation, ~~and the h.~~ Hydrogen concentration of the reactor

water is controlled in a range of 30 to 100 ppb throughout the operating cycle.